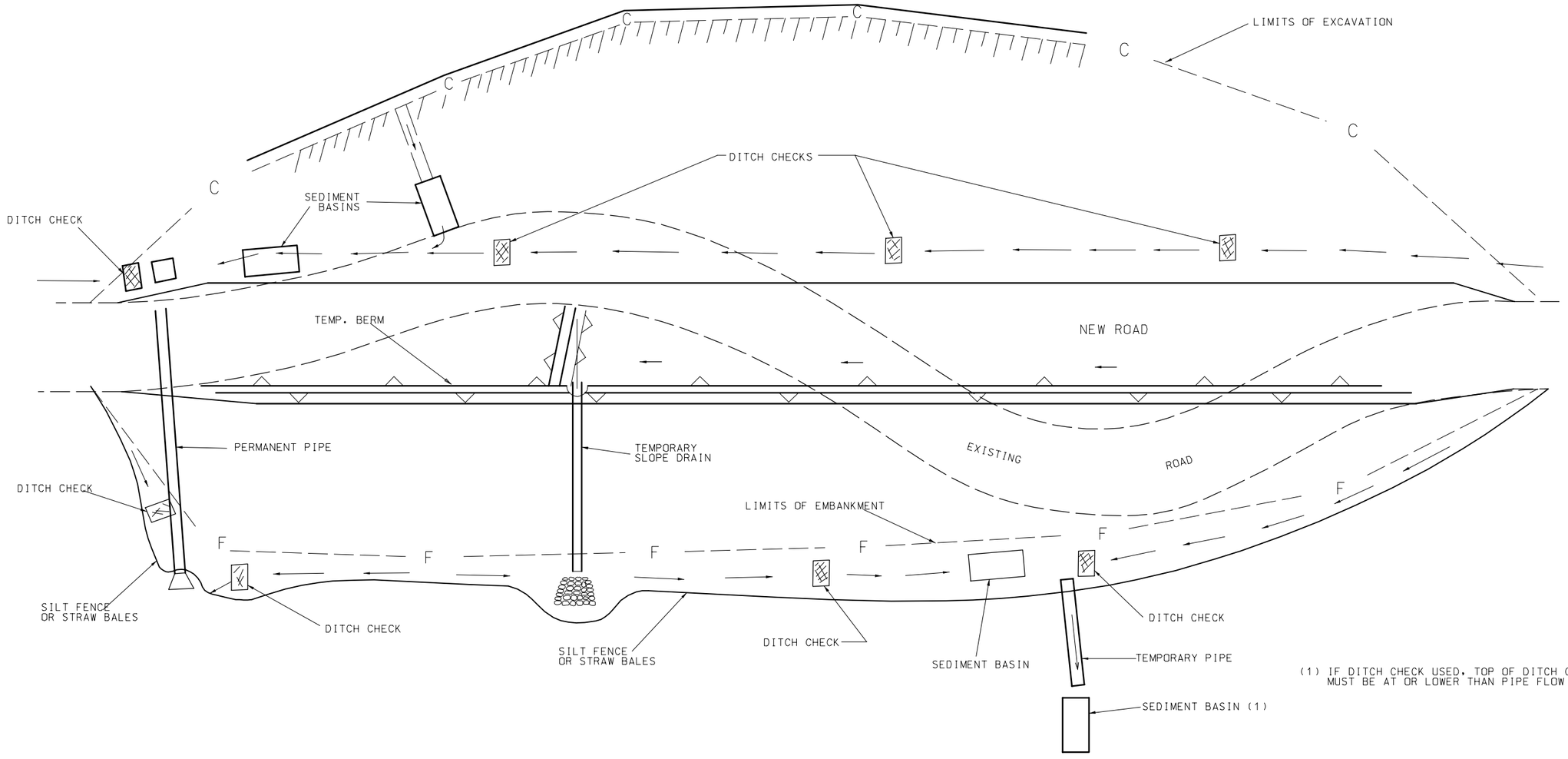


(1) IF DITCH CHECK USED, TOP OF DITCH CHECK MUST BE AT OR LOWER THAN PIPE FLOW LINE.

LEGEND

C = CUT LIMITS

F = FILL LIMITS

⟵ = DIRECTION OF FLOW

GENERAL NOTES:

ALL DIMENSION SHOWN ARE IN mm UNLESS OTHERWISE NOTED.

EROSION CONTROL MEASURES ARE SHOWN HERE AS GENERAL EXAMPLES, ACTUAL CONDITIONS MAY DICTATE MORE OR FEWER MEASURES.

TEMPORARY OR FINAL SEEDING IMMEDIATELY UPON COMPLETION OF GRADING.

WOOD POSTS SHALL BE USED FOR ALL STRAW BALE APPLICATIONS.

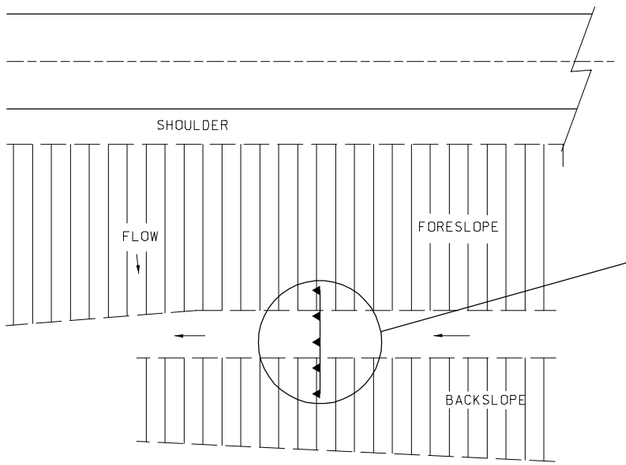
STRAW BALES USED AS SILT FENCE SHALL BE EMBEDDED 150 mm.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

TEMPORARY EROSION CONTROL MEASURES

GENERIC TEMPORARY EROSION CONTROL PLAN

DATE:_____ | EFFECTIVE: 04-01-2005 | **M806.10F** | 1/7

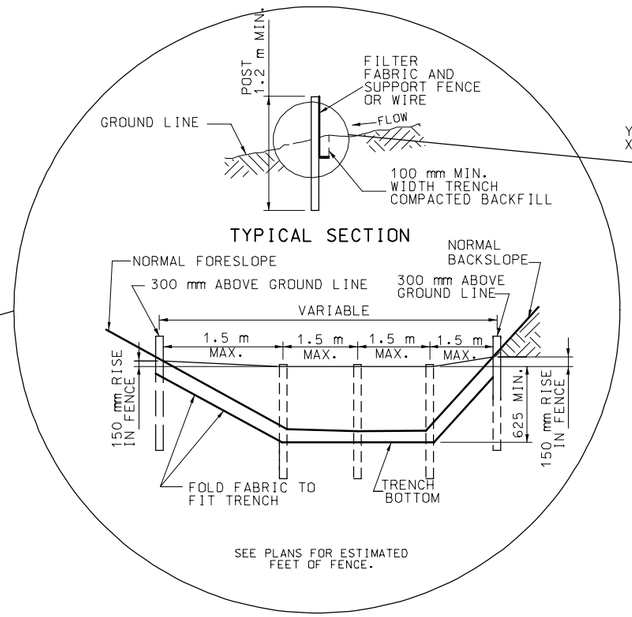


PLAN VIEW

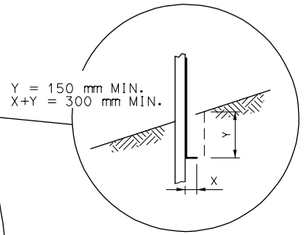
NOTES:

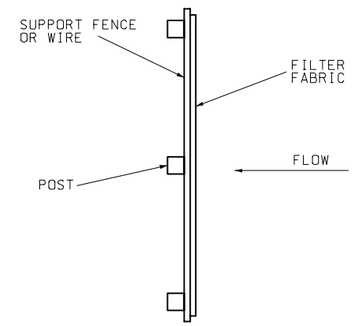
SUPPORT FENCE SHALL BE REQUIRED WITH SILT FENCE DITCH CHECK.

POST SHALL BE STEEL T-POST OR EQUIVALENT.



SILT FENCE DITCH CHECK



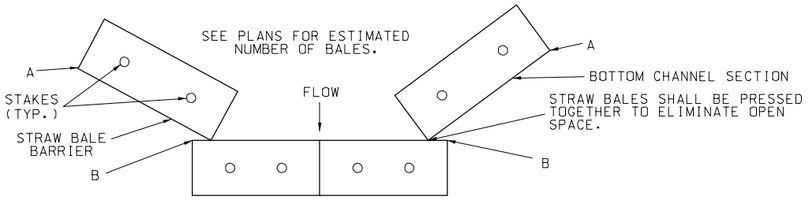


COMPONENTS OF
SILT FENCE DITCH CHECK

NOTE:

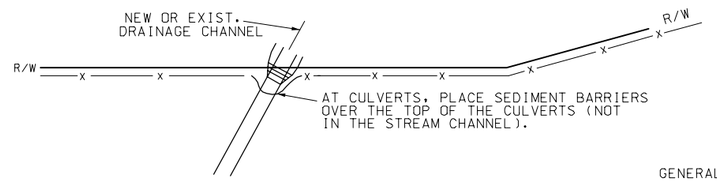
CORNERS 'A' SHALL BE HIGHER THAN CORNERS 'B' TO INSURE FLOW THROUGH OR OVER BARRIER, NOT AROUND IT.

FILTER FABRIC MAY BE ELIMINATED FOR GRADES 2% OR LESS ON STRAW BALES IF APPROVED BY ENGINEER.

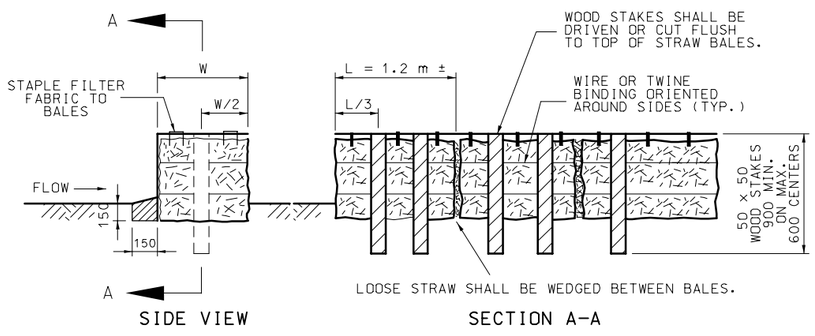


TOP VIEW

DITCH APPLICATION DETAILS



LOCATION DETAIL



SIDE VIEW SECTION A-A

STRAW BALE BARRIER DETAIL

STRAW BALE DITCH CHECK

GENERAL NOTES:

ALL DIMENSIONS SHOWN ARE IN mm UNLESS OTHERWISE NOTED.

SEE SHEET 3 FOR MINIMUM SPACING OF ALL DITCH CHECK TYPES.

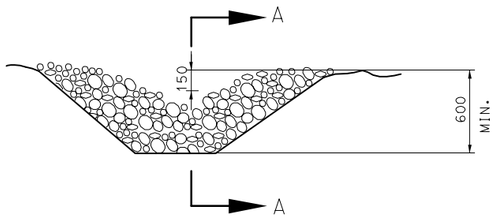
THE TYPE I DITCH CHECK MAY BE REMOVED, AS DIRECTED BY THE ENGINEER, WHEN THE VEGETATION HAS SUFFICIENTLY MATURED TO PROTECT THE DITCH OR SWALE OR THE CONCRETE DITCH LINER HAS BEEN CONSTRUCTED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

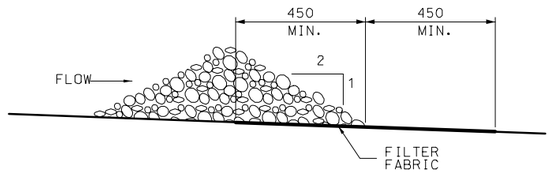
TEMPORARY EROSION CONTROL MEASURES

TEMPORARY DITCH CHECKS TYPE I

DATE:_____ | EFFECTIVE:04-01-2005 | M806.10F | 2/7



END VIEW

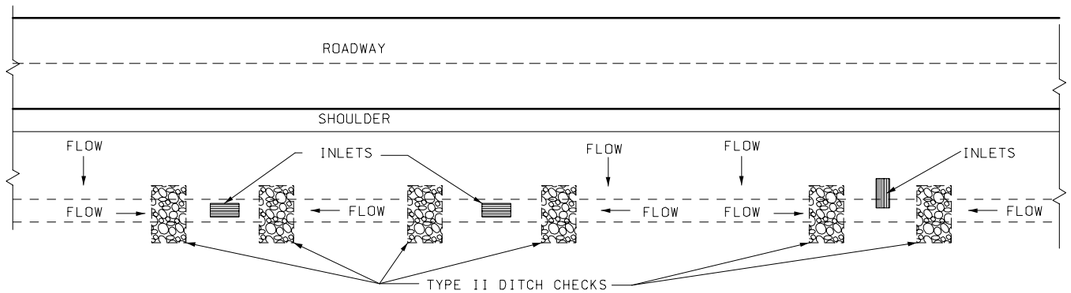


SECTION A–A

ROCK DITCH CHECK

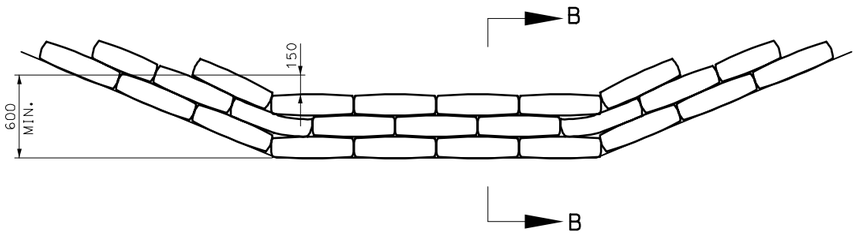
NOTE:

TYPE II DITCH CHECK IN THE CLEAR ZONE SHALL BE REMOVED AFTER THE VEGETATION HAS SUFFICIENTLY MATURED TO PROTECT THE DITCH OR SWALE OR THE CONCRETE DITCH LINER HAS BEEN CONSTRUCTED.

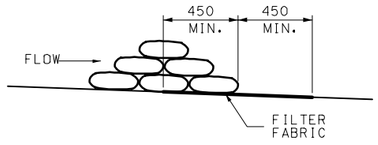


DROP INLET CHECK

THE DROP INLET CHECK SHALL PROVIDE A MINIMUM OF 300 mm AND A MAXIMUM OF 450 mm ABOVE THE INLET GRADE.



PLAN VIEW



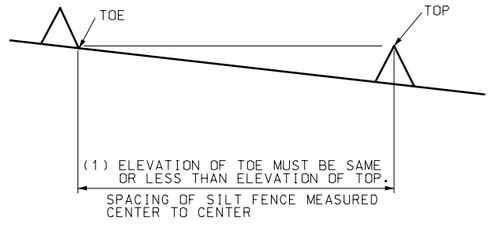
SECTION B–B

SAND BAG DITCH CHECK

NOTE:

NUMBER OF SAND BAGS AND ARRANGEMENT MAY VARY WITH ON-SITE CONDITIONS.

EXAMPLE DITCH CHECK SPACING FOR STANDARD HEIGHTS (m) (1)		
DITCH ℄ SLOPE %	SPACING FOR 600 mm HEIGHT	SPACING FOR 450 mm HEIGHT
0.5	120	120
1.0	60	60
1.5	40	40
2.0	30	30
2.5	24	24
3.0	20	20
3.5	17	17
4.0	15	15
4.5	13	13
5.0	12	12
5.5	11	11
6.0	10	10
6.5	9	9
7.0	8	8
7.5	8	8
8.0	7	7
8.5	7	7
9.0	6	6
9.5	6	6
10.0	6	6



MINIMUM DITCH CHECK SPACING

GENERAL NOTE:

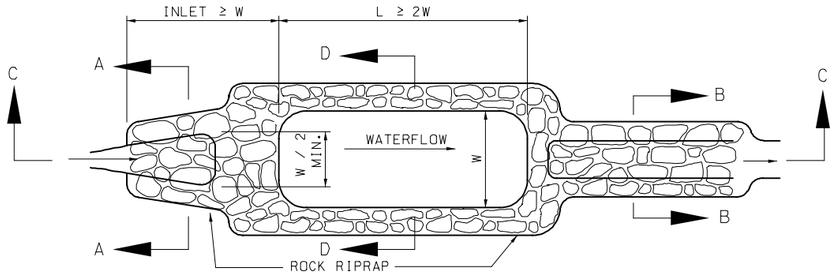
ALL DIMENSIONS SHOWN ARE IN mm UNLESS OTHERWISE NOTED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

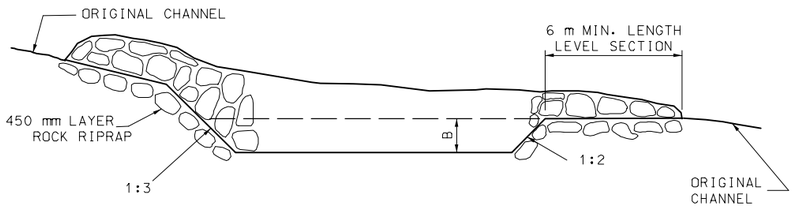
TEMPORARY EROSION CONTROL MEASURES

TEMPORARY DITCH CHECKS TYPE II

DATE:_____ | EFFECTIVE:04-01-2005 | M806.10F | 3/7

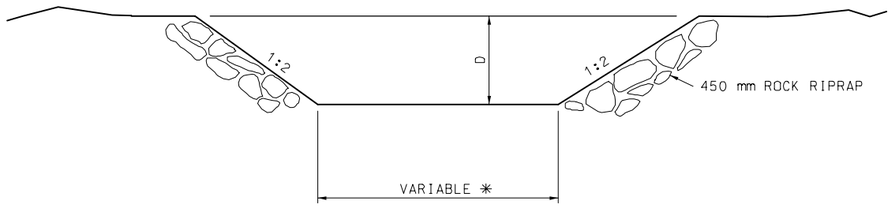


PLAN VIEW



SECTION C–C

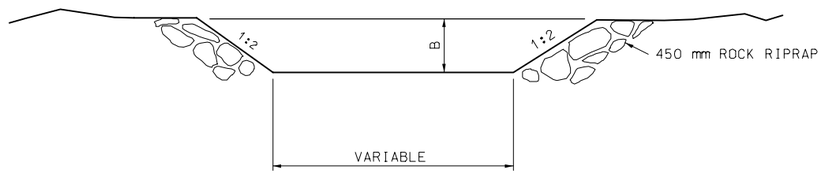
EFFECTIVE DEPTH "B" = MIN. 0.6 m, MAX. 1.8 m DEPENDENT UPON CONFIGURATION REQUIRED BY LOCATION AND ESTIMATED VOLUME.



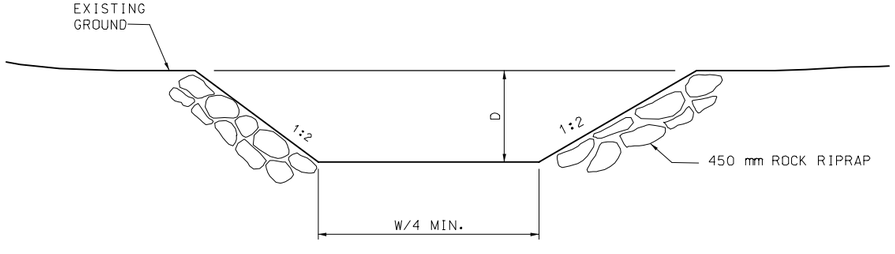
SECTION A–A
INLET

D = 300 mm + DESIGN FLOW DEPTH–MIN.

* VARIES FROM WIDTH OF STREAM AT INLET TO ONE–HALF WIDTH OF POND AT OUTLET.



SECTION D–D



SECTION B–B
OUTLET

GENERAL NOTES:

ALL DIMENSIONS SHOWN ARE IN mm UNLESS OTHERWISE NOTED.

THE MATERIALS FOR ROCK RIPRAP SHALL MEET THE REQUIREMENTS OF SECTION 611.30 FOR TYPE 2 ROCK BLANKET.

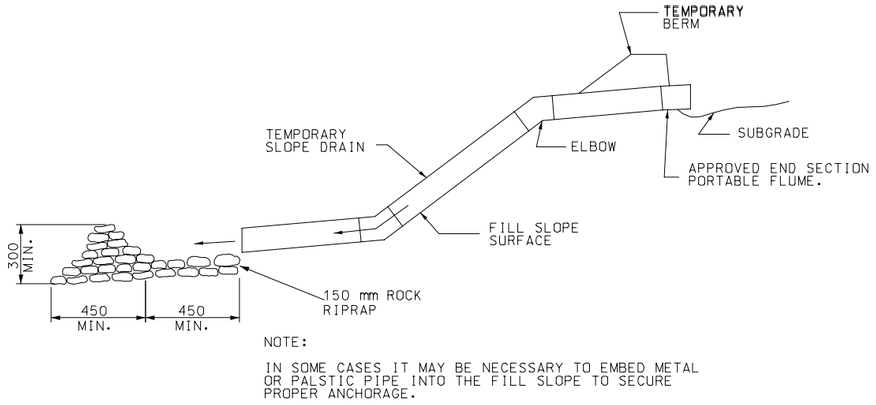
SEE PLANS FOR LENGTH, DEPTH AND WIDTH OF BASIN.

SEE PLANS FOR ESTIMATED QUANTITIES OF ROCK RIPRAP – CUBIC METERS.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

TEMPORARY EROSION CONTROL MEASURES
SEDIMENT BASIN

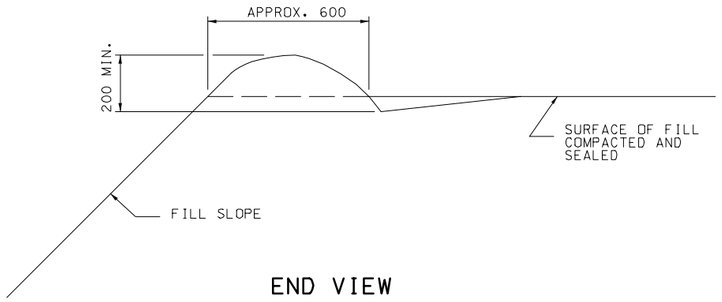
DATE:_____ | EFFECTIVE: 04-01-2005 | M806.10F | 4/7



NOTE:

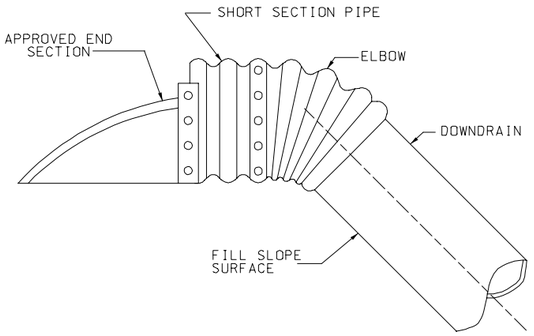
IN SOME CASES IT MAY BE NECESSARY TO EMBED METAL OR PALSTIC PIPE INTO THE FILL SLOPE TO SECURE PROPER ANCHORAGE.

SECTION A-A

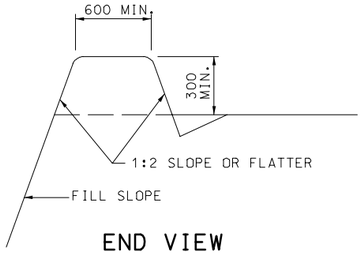


END VIEW

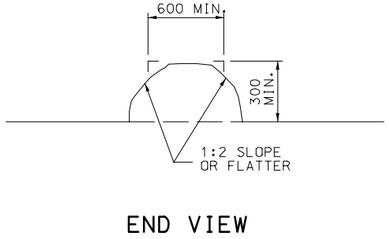
TYPE 'A' TEMPORARY BERM



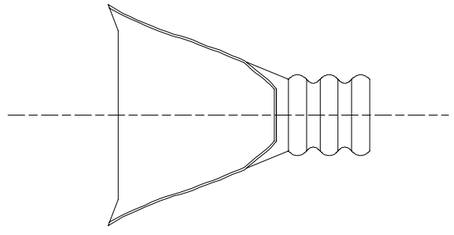
INLET TREATMENT



END VIEW
FILL BERM

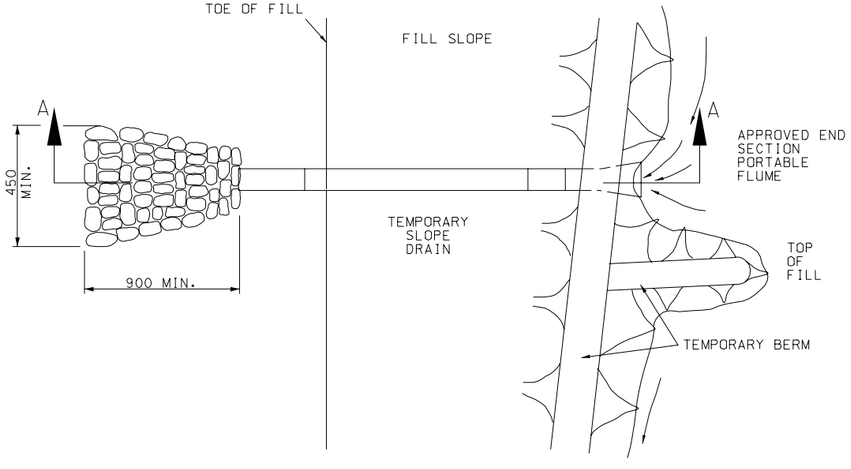


END VIEW
TRANSVERSE BERM



PLAN VIEW END SECTION

TEMPORARY SLOPE DRAIN

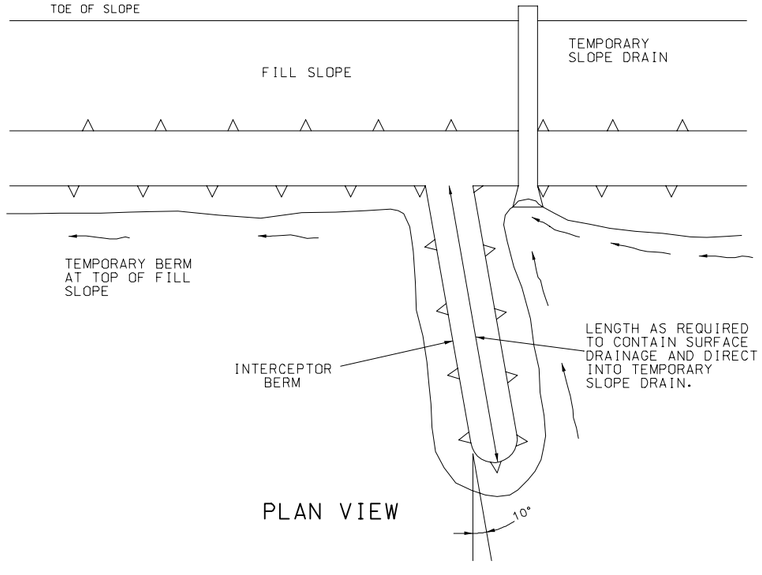


PLAN VIEW

TEMPORARY SLOPE DRAIN

(METAL, FLEXIBLE RUBBER OR PLASTIC PIPE)

NOTE:
MAXIMUM LENGTH BETWEEN SLOPE DRAINS SHALL BE APPROXIMATELY 150 m.



PLAN VIEW

TYPE 'B' TEMPORARY BERM

GENERAL NOTE:

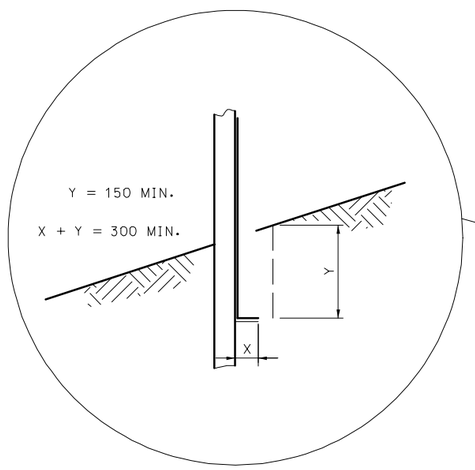
ALL DIMENSIONS SHOWN ARE IN mm UNLESS OTHERWISE NOTED.

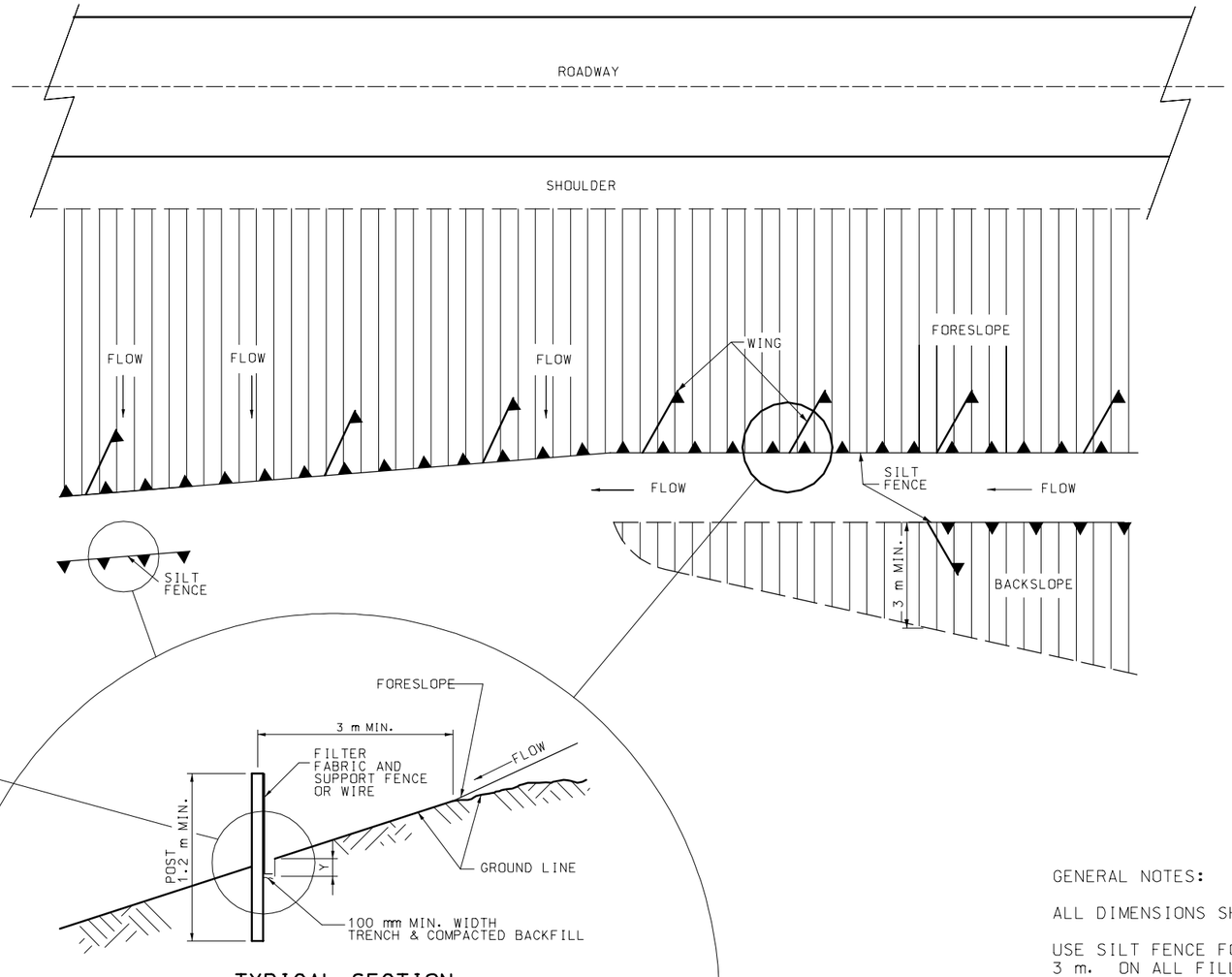
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

TEMPORARY EROSION CONTROL MEASURES

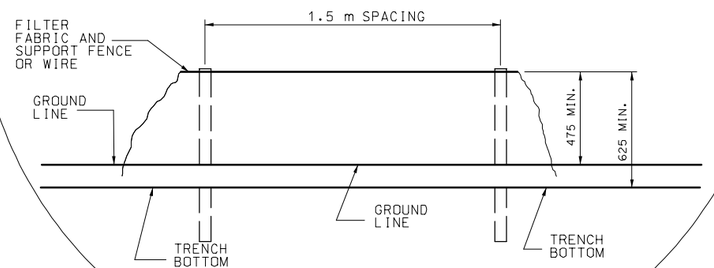
TEMPORARY BERMS AND SLOPE DRAINS

DATE:_____ | EFFECTIVE: 04-01-2005 | M806.10F | 5/7





TYPICAL SECTION



NOTE:
SEE SHEET 2 OF 7 FOR COMPONENTS OF SILT FENCE IN "COMPONENTS OF SILT FENCE DITCH CHECK" DIAGRAM.

DETAILS OF SILT FENCE

GENERAL NOTES:

ALL DIMENSIONS SHOWN ARE IN mm UNLESS OTHERWISE NOTED.

USE SILT FENCE FOR FILL HEIGHTS GREATER OR EQUAL TO 3 m. ON ALL FILLS GREATER THATN 3 m HIGH, MID-SLOPE RUNS OF SILT FENCE SHOULD BE CONSIDERED.

MINIMUM LONGITUDINAL SPLICE OVERLAP SHALL BE 600 mm WITH A POST AT EACH END.

SECURE FABRIC TO POSTS.

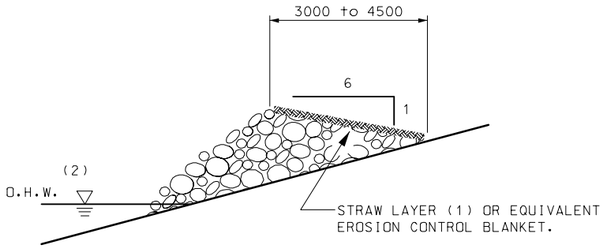
INSTEAD OF SILT FENCE ACROSS DRAINAGE DITCHES AND DRAINS, DITCH CHECK SHALL BE USED AS SHOWN ON PLANS OR AS DIRECTED BY ENGINEER.

SILT FENCE WING SPACING APPROXIMATELY TWICE DITCH CHECK SPACING.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

TEMPORARY EROSION CONTROL MEASURES
SILT FENCE

DATE:_____ | EFFECTIVE: 04-01-2005 | M806.10F | 6/7

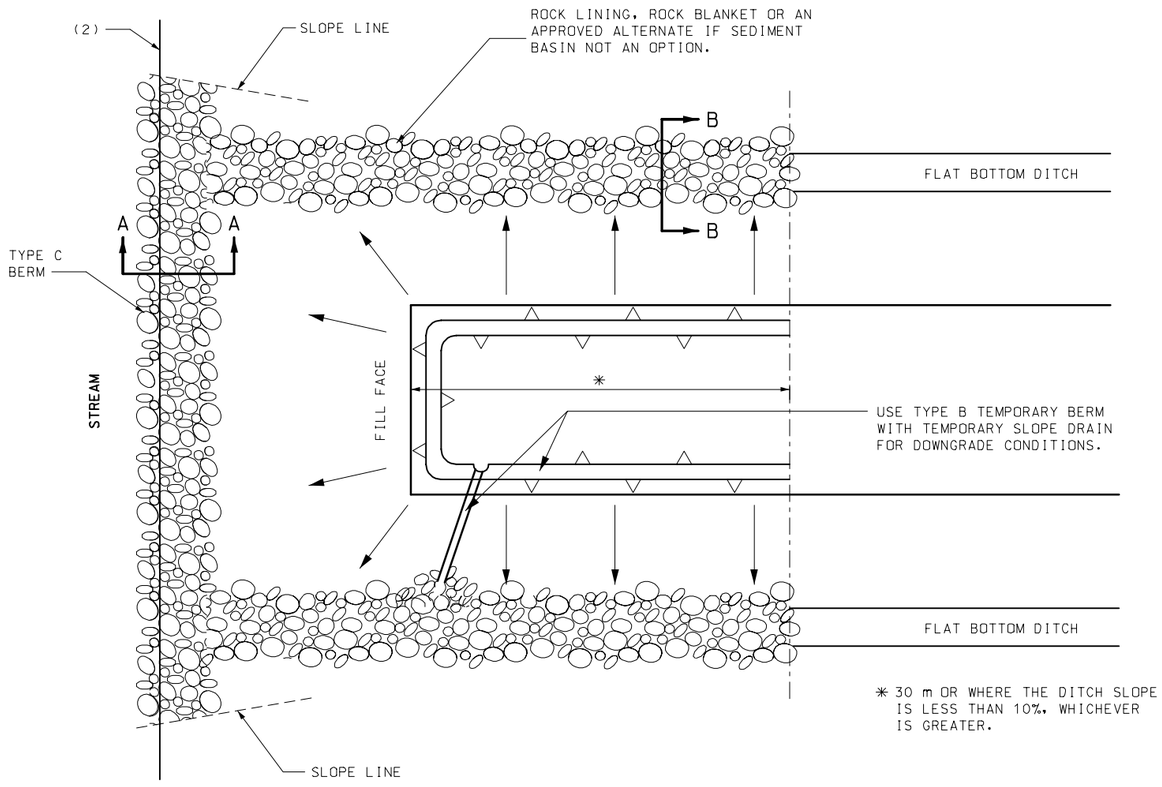


SECTION A–A
TYPE C BERM (3)

(1) STRAW LAYER SHALL BE A THICKNESS OF 50 mm COMPACTED.

(2) TYPE C BERM SHALL BE PLACED NO LOWER THAN THE ORDINARY HIGH WATER (O.H.W.) OR AT AN ELEVATION AS DIRECTED BY THE ENGINEER.

(3) TYPE C BERM SHALL BE BUILT TO HANDLE SIGNIFICANT RUN-OFF EVENTS AND SHALL BE INSTALLED PRIOR TO SOIL DISTURBANCE OR PLACEMENT OF FILL IN THE DRAINAGE AREA OF THE BERM.



PLAN VIEW

SECTION B–B (4)

(4) ROCK LINING DITCHES SHALL BE BUILT TO HANDLE SIGNIFICANT RUN-OFF EVENTS.

GENERAL NOTES:

ALL DIMENSIONS SHOWN ARE IN mm UNLESS OTHERWISE NOTED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

TEMPORARY EROSION CONTROL MEASURES
BRIDGES AND BOX CULVERTS AT STREAM CROSSINGS

DATE:_____ | EFFECTIVE: 04-01-2005 | **M806.10F** | 7/7